

FIG. 1

100(0)	$Y_0Cr_0Cb_0$	${\rm Y}_1$		Y_3	$ m Y_4Cr_2Cb_2$	Y_5	:	$Y_2Cr_1Cb_1$ Y_3 $Y_4Cr_2Cb_2$ Y_5 $Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	۲×
100(1)	$Y_0C\dot{r}_0Cb_0$	Υ.	$\rm Y_2Cr_1Cb_1$	Υ_3	Y ₂ Cr ₁ Cb ₁ Y ₃ Y ₄ Cr ₂ Cb ₂ Y ₅	Y_5	•	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	۲×
100(2)	$ m Y_0Cr_0Cb_0$	Y_1	$\rm Y_2Cr_1Cb_1$	Y_3	$Y_2Cr_1Cb_1 \qquad Y_3 \qquad Y_4Cr_2Cb_2 \qquad Y_5$	Y_5	•	$X_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	Υ×
100(3)	$ m Y_0Cr_0Cb_0$	Y_1		$_3$	Y2Cr1Cb1 Y3 Y4Cr2Cb2 Y5	Y_5	:	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	Υ×
: 100 (N)	$ m Y_0Cr_0Cb_0$	^K -	$\rm Y_2Cr_1Cb_1$	Y_3	$ m Y_4Cr_2Cb_2$	Y_5	:	Y ₁ Y ₂ Cr ₁ Cb ₁ Y ₃ Y ₄ Cr ₂ Cb ₂ Y ₅ Y _{x-1} Cr _{(x-1)/2} Cb _{(x-1)/2}	۲×

FIGURE 2

48Y(0)	$Y_0, Y_1, Y_2, \dots, Y_{15}$
48Y(1)	$Y_{16}, Y_{17}, Y_{18}, \dots Y_{31}$
••	
48Y(i)	Y _{16i} , Y _{16i+1} , Y _{16i+2} ,Y _{16i+15}
	ŝ

48Y

48C(0)	$Cr_0 Cb_0, Cr_1 Cb_1, \dots Cr_7 Cb_7$
48C(0)	Cr ₈ Cb ₈ , Cr ₉ Cb ₉ ,Cr ₁₅ Cb ₁₅
••	
48C(i)	$Cr_{8i} Cb_{8i}, Cr_{8i+1} Cb_{8i+1}, \dots Cr_{8i+7} Cb_{8i+7}$
••	

48C

FIGURE 3A

U; =>	Y _{2i} Cr _i Cb _i	Y _{2i+1}
O_1	1 21011001	- ∠1+ 1

48(0)	U_0, U_1, U_2, U_3
48(1)	U_4, U_5, U_6, U_7
48(2)	U_8, U_9, U_{10}, U_{11}
:	
48(i)	$U_{4i}, U_{4i+1}, U_{4i+2}, U_{4i+3}$

FIGURE 3B

48Y(0)	$Y_0, Y_1, Y_2, \dots, Y_{15}$
48Y(1)	$Y_{16}, Y_{17}, Y_{18}, \dots, Y_{31}$
:	
48Y(i)	$Y_{16i}, Y_{16i+1}, Y_{16i+2}, \dots, Y_{16i+15}$
:	

48Y

48R(0)	Cr, Cr, Cr
:	
48R(i)	·Cr, Cr, Cr
:	

48CR

48R(0)	Cr, Cr, Cr
:	
48R(i)	Cr, Cr, Cr
:	

48CB

FIGURE 3C

b ₀₇	b815	B ₁₆₂₃	007 b815 B1623 b2431 b3239 b4047	b3239	b4047	b4855	b5663	b ₆₄₇₁	b ₇₂₇₉	b8087	b8895	b ₉₆₁₀₃	b 4855 b 5663 b 6471 b 7279 b 8087 b 8895 b 96103 b 104111 b 112119 b 120127	b112119	b 120127
Cp	Cb Y ₀ Cr	Cr	Y_1	Cp	Y_0	Cr		Cb	Y_0	Cr	Y_1	$egin{array}{c ccccc} Y_1 & Cb & Y_0 & Cr & Y_1 & Cb & Y_0 \end{array}$		Cr	\mathbf{Y}_1
		U4i			\mathbf{U}_{4}	U4i+1			\mathbf{U}_4	U4i+2			'n	U _{4i+3}	

FIGURE 4A

0127120 b 119112 b 111104 b 10396 b 9588
Cp

FIGURE 4B

b ₀₇	b ₈₁₅	b ₁₆₂₃	b ₀₇ b ₈₁₅ b ₁₆₂₃ b ₂₄₃₁ b ₃₂₃₉ b ₄₀₄₇	b3239	D4047	b4855	p ₅₆₆₃	b ₆₄₇₁	b ₇₂₇₉	b ₈₀₈₇	b8895	b ₉₆₁₀₃	b 104111	b4855 b5663 b6471 b7279 b8087 b8895 b96103 b104111 b112119 b120127	b ₁₂₀₁₂₇
$ m Y_{16i}$	Y_{16i+1}	$I_{16\mathrm{i}}$ $\left egin{array}{c} \mathrm{Y}_{16\mathrm{i}+1} \end{array} \right \left egin{array}{c} \mathrm{Y}_{16\mathrm{i}+2} \end{array} \right $	Y _{16i+3}	Y _{16i+4}	Y _{16i+5}	Y _{16i+6}	Y _{16i+7}	Y _{16i+8}	Y _{16i+9}	Y _{16i+10}	Y _{16i+11}	Y16i+8 Y16i+9 Y16i+10 Y16i+11 Y16i+12	Y _{16i+13}	Y _{16i+14}	Y _{16i+15}
		U4i			\mathbf{U}_{4}	J4i+1			U4	${ m U}_{4{ m i}+2}$			'n	J4i+3	

FIGURE 5

SCALAR 705

COMPOSITOR 710

FEEDER 715

DEINTERLACER 720

FIG. 6

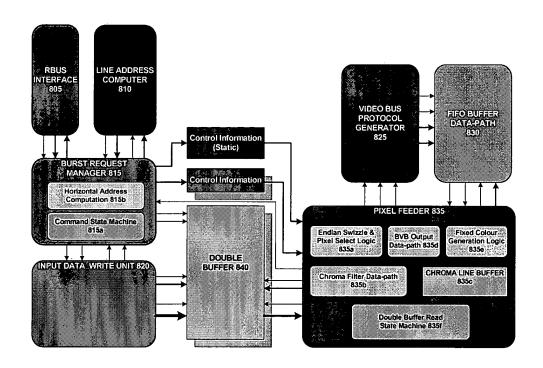


FIGURE 7

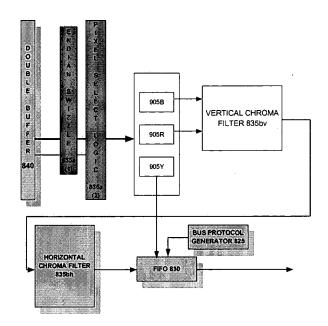
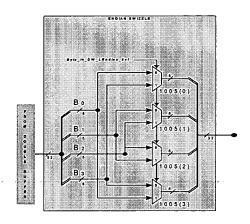
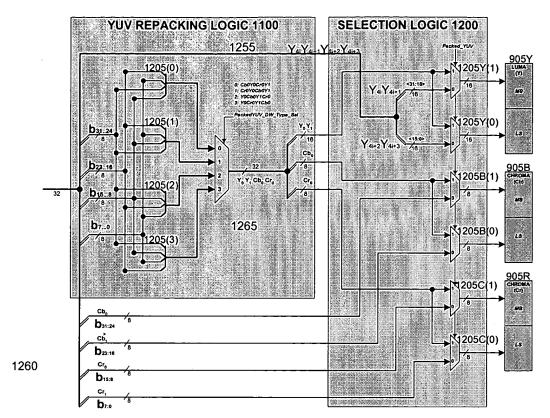


FIGURE 8



Endian Swizzle 835a(1)

FIGURE 9



PIXEL SELECTION LOGIC 835a(2)

FIGURE 10

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